IN THE SPECIFICATION:

Please amend the paragraph beginning at line 7 of page 5 to read as follows:

--The central Bragg peak 44 has a full-width at half maximum of about 1 to 3 nanometers (nm) and a reflectivity that is 2-4 or more times as large as the reflectivity of any side peak 45-50. The Bragg peak wavelength is controlled by the value of the tuning current applied to the tuning section 34 via electrical terminals 52, 53. Changing the value of the tuning current changes the effective index of refraction, μ_e, in the portion 40 of waveguide 36 in the tuning section 34. Aging produces physical changes to the tuning section 34 that alter the relationship between the value of the tuning current and μ_e.--

#1

Please amend the paragraph beginning at line 11 of page 11 to read as follows:

--The gain section ~~32~~ 32' includes a strongly index-guided waveguide 35' that has two parallel portions. The waveguide 35' belongs to a P-N junction that is located in a heterostructure. The P-N junction provides optical amplification when forward biased and becomes optically opaque when unbiased or reverse biased, e.g., by shorting electrical terminals 51' and 53'. The strongly index-guided waveguide 35', a cleaved crystal facet 37', and a reflective tuning section 34' form a laser Fabry-Perot cavity.--

#2